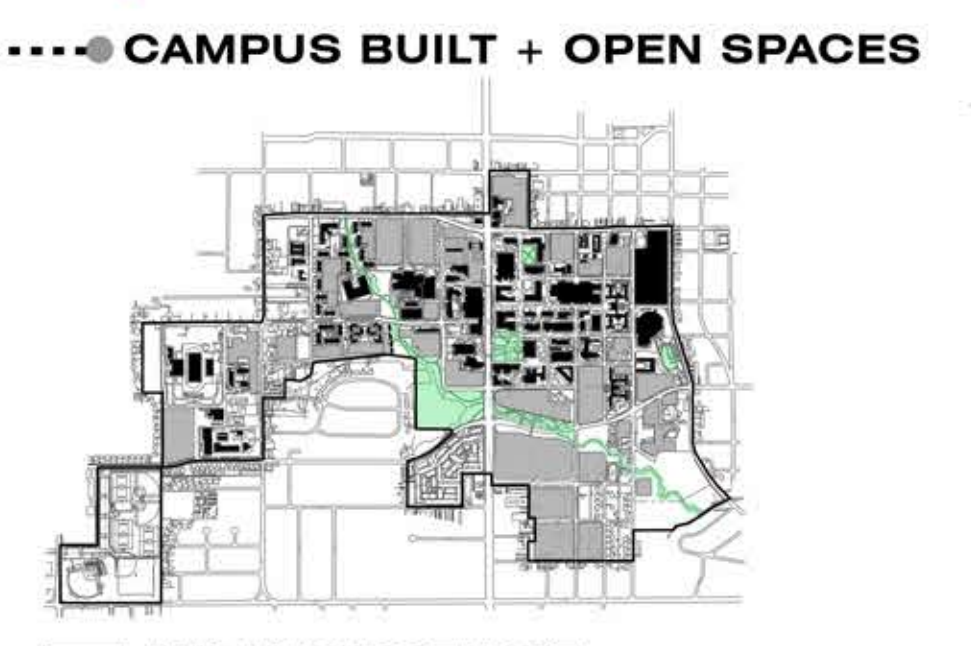
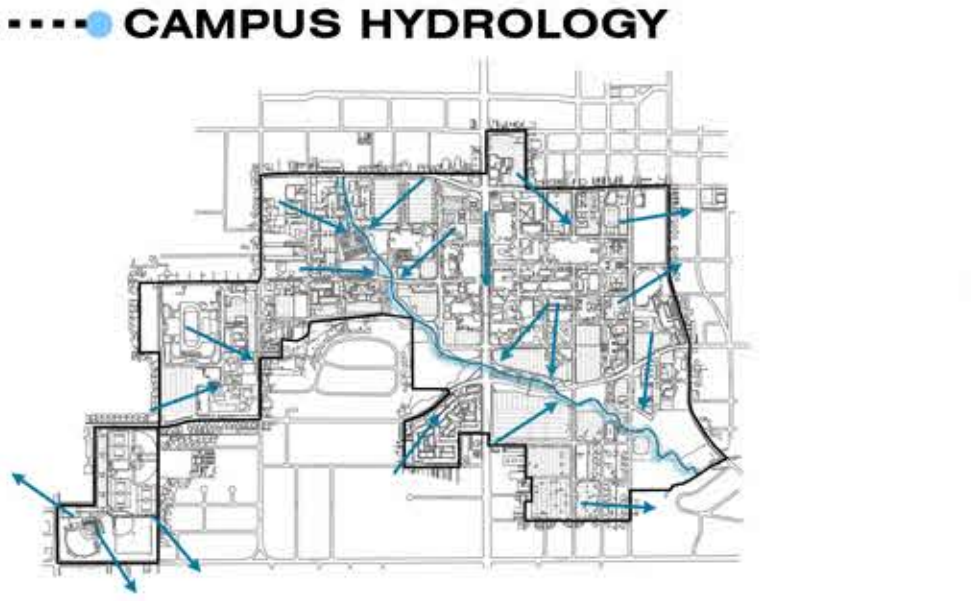
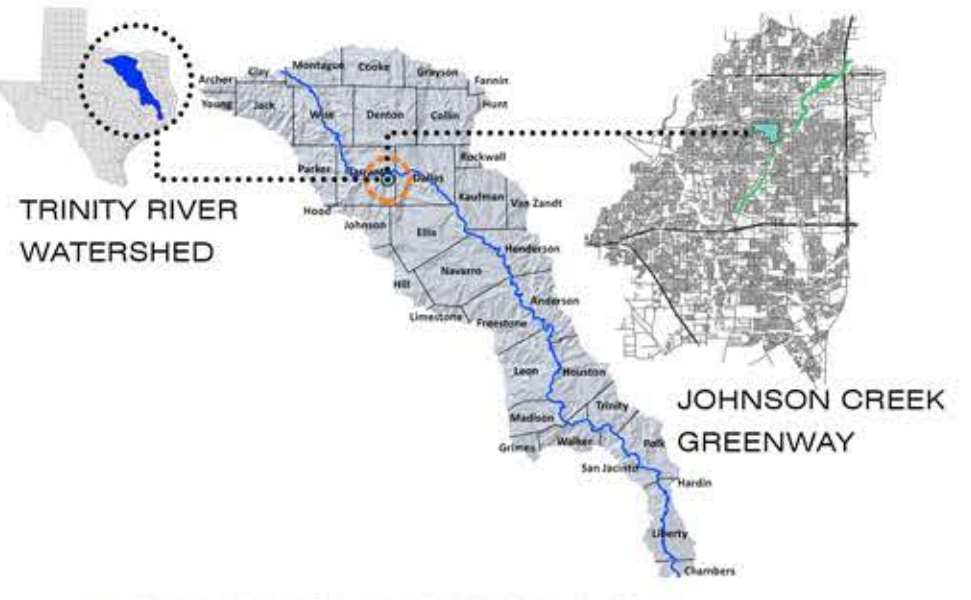


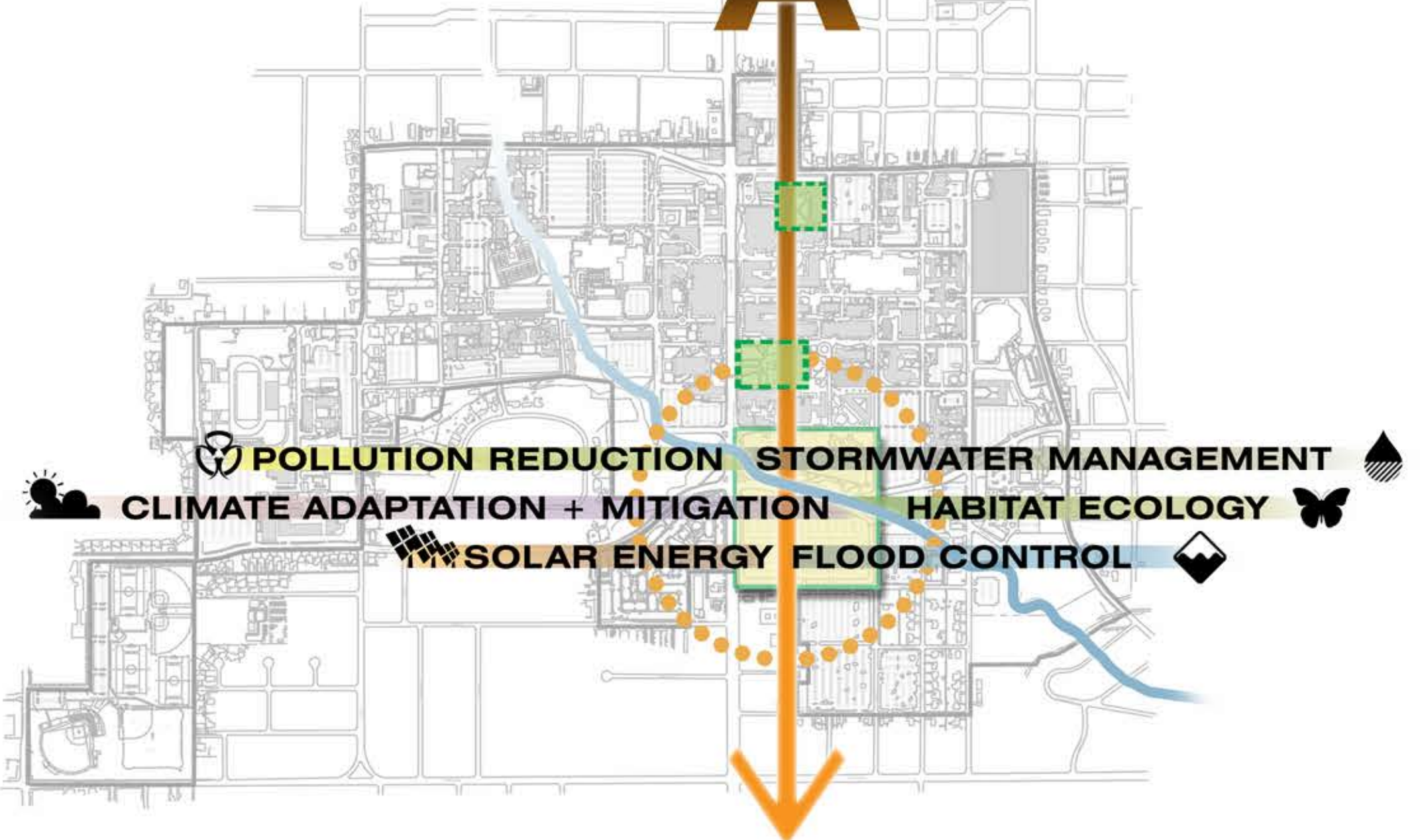
INVENTORY ANALYSIS



■ BUILDING FOOTPRINT
■ GREEN/OPEN SPACES
■ SURFACE PARKING

UTA WALK

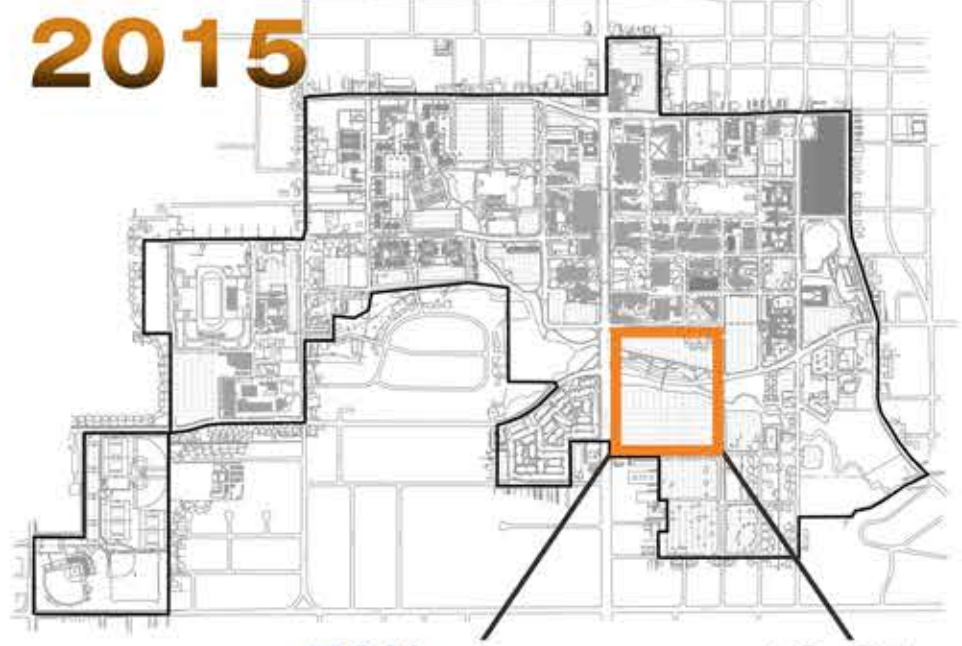
VISION GOALS



INNOVATION PARK creates a strong **visual identity** to pedestrian corridors connecting two recently completed **LID projects** on the north and east sides of campus. The proposal incorporates **bioswales**, **living walls**, and **extensive living roofs** to mitigate heat gain on vertical and horizontal surfaces. Plantings are selected to provide maximum **carbon sequestration** and **pollution filtration** with as little irrigation as possible. For a two inch storm event, runoff will be reduced from the current **817,931 untreated gallons** to **283,630 gallons of bio-filtered water**. The University, by incorporating careful use of LID techniques, is making a solid **investment in the future** of its students as well as setting an example for the region.

SITE SELECTION

UT ARLINGTON CAMPUS AREA ≈ **467 ACRES**
TOTAL SURFACE PARKING AREA ≈ **95 ACRES**



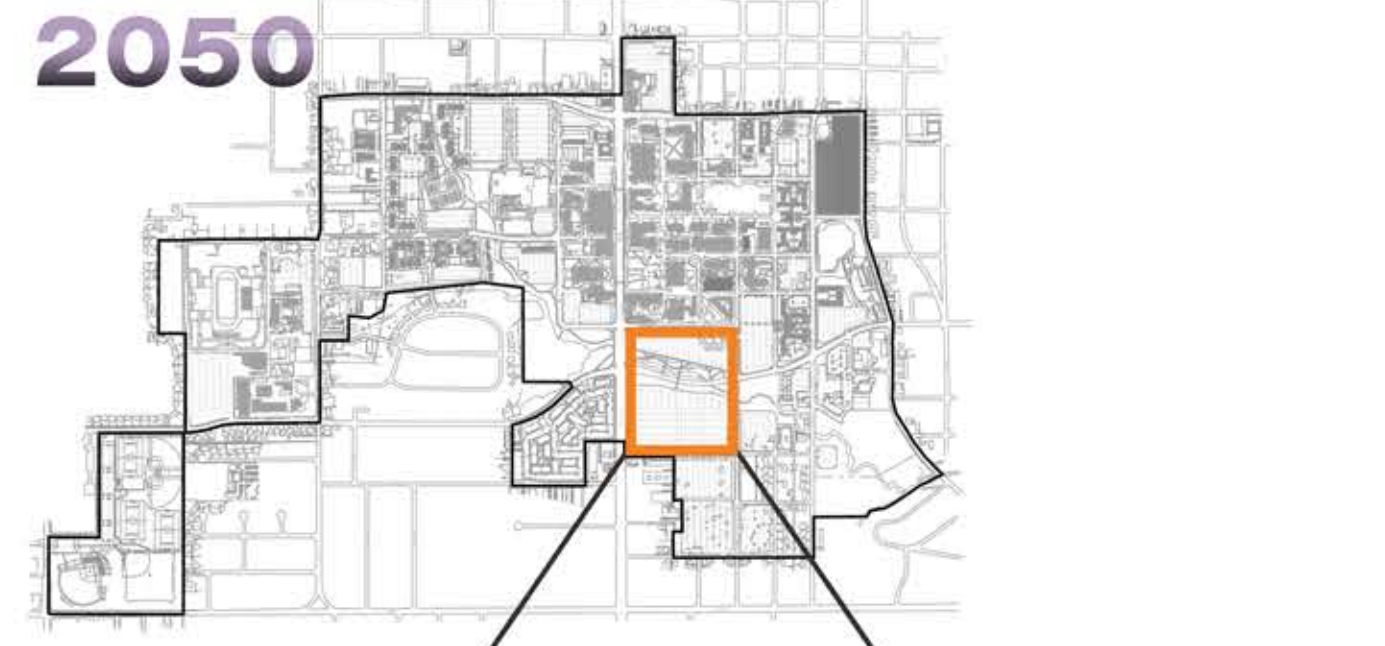
EXISTING SITE CONDITIONS

TOTAL SITE AREA **26 acres**
IMPERVIOUS AREA **18.67 acres**
RUNOFF DEPTH **25.91 in./year**

POTENTIAL STORMWATER POLLUTANTS FROM PARKING LOTS

- Polycyclic aromatic hydrocarbons, toxic to aquatic organisms and a human carcinogen
Source: USGS Texas Water Science Center
- Oils and heavy metals such as cadmium
Source: Federal Highway Administration Center

CLIMATE CHANGE PROJECTIONS



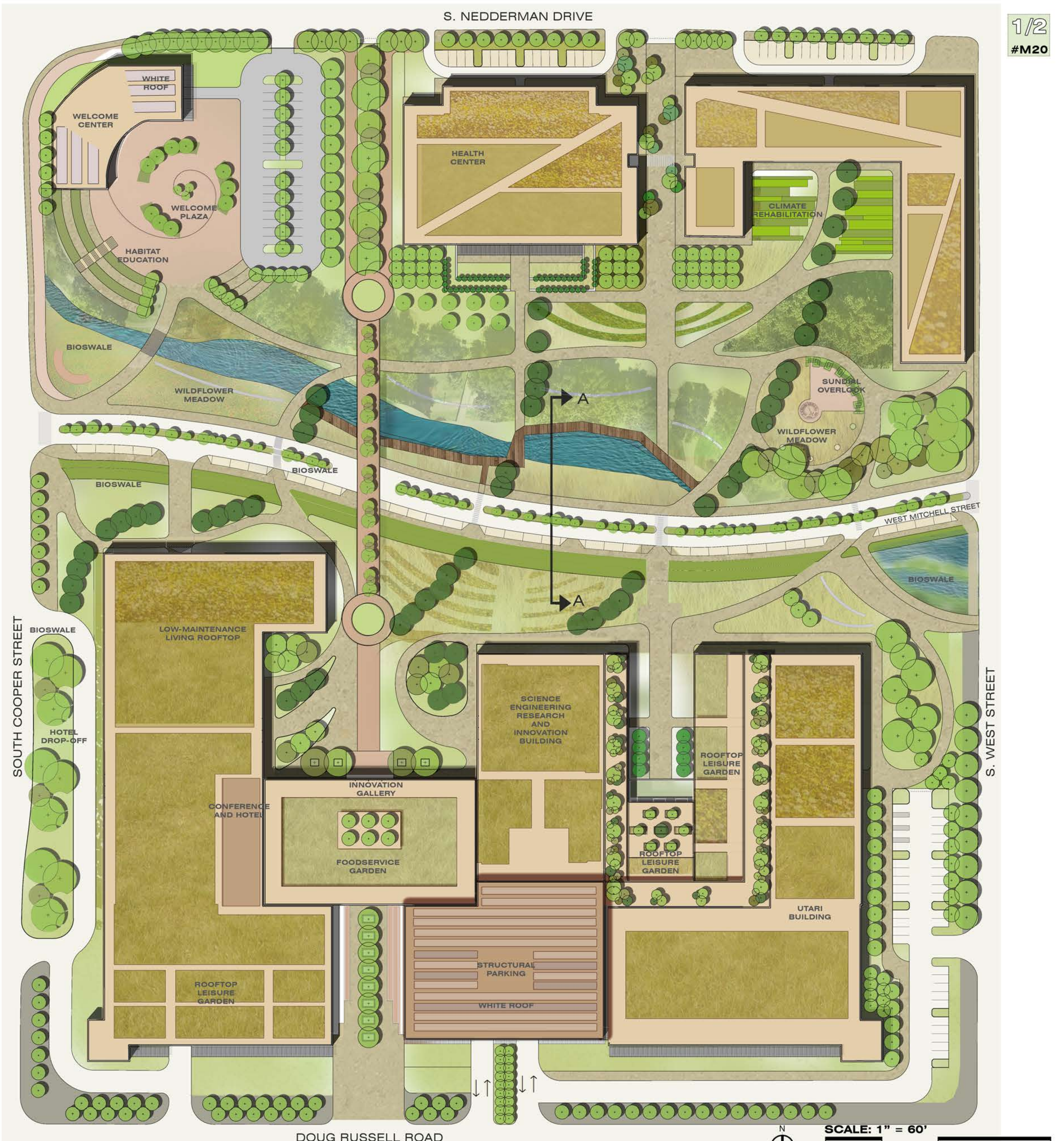
100°F
86°F

PROJECTED CHANGE IN [AUGUST MEAN] **TEMPERATURE**

40%

PROJECTED CHANGE IN [ANNUAL SEVERE THUNDERSTORM] **RAINFALL**

Source: Climate Change, Extreme Weather Vulnerability and Risk Assessment for Transportation Infrastructure in Dallas and Tarrant Counties, Dr. Arne Winguth, Dr. Jun Hak Lee, Dr. Yekang Ko, UTA, and the North Central Texas Vulnerability Assessment Team



MASTER PLAN

INNOVATION PARK